

What is claimed is:

1. A system for calculating toner usage comprising:

means adapted for receiving compressed image data, which compressed image
5 data includes encoded data representative of an associated image mapped to a first color space;
and

means adapted for analyzing received compressed image data so as to generate a
representative pixel count of pixels associated with each color of the first color space.

- 10 2. The system for calculating toner usage of claim 1 further comprising translation
means for translating the representative pixel count of pixels associated with each color of the
first color space into a representative count of pixels associated with a rendering of the
associated image as mapped into a second color space.

- 15 3. The system for calculating toner usage of claim 2 wherein the second color space
is associated with a selected output device.

4. The system for calculating toner usage of claim 3 further comprising aggregating
means adapted for calculating an aggregate pixel count from a plurality of serial compressed
20 image data inputs.

5. The system for calculating toner usage of claim 4 further comprising means
adapted for outputting a toner usage signal representative of aggregate toner usage in accordance
with the aggregate pixel count.

25 6. The system for calculating toner usage of claim 1 wherein the first color space is
black and white.

7. The system for calculating toner usage of claim 1 wherein the first color space is
30 comprised of additive primary colors.

8. The system for calculating toner usage of claim 1 wherein the first color space is comprised of subtractive primary colors.

9. The system for calculating toner usage of claim 1 wherein the second color space is comprised of subtractive, non-primary colors.

10. The system for calculating toner usage of claim 1 wherein the second color space is comprised of subtractive primary colors.

11. The system for calculating toner usage of claim 1 wherein the second color space is black and white.

12. A method for calculating toner usage comprising the steps of:
receiving compressed image data, which compressed image data includes encoded data representative of an associated image mapped to a first color space; and
analyzing received compressed image data so as to generate a representative pixel count of pixels associated with each color of the first color space.

13. The method for calculating toner usage of claim 12 further comprising the step of translating the representative count of pixels associated with each color of the first color space into a representative pixel count of pixels associated with a rendering of the associated image as mapped into a second color space.

14. The method for calculating toner usage of claim 13 wherein the second color space is associated with a selected output device.

15. The method for calculating toner usage of claim 14 further comprising the step of calculating an aggregate pixel count from a plurality of serial compressed image data inputs.

16. The method for calculating toner usage of claim 15 further comprising the step of outputting a toner usage signal representative of aggregate toner usage in accordance with the aggregate pixel count.

5 17. The method for calculating toner usage of claim 12 wherein the first color space is black and white.

18. The method for calculating toner usage of claim 12 wherein the first color space is comprised of additive primary colors.

10 19. The method for calculating toner usage of claim 12 wherein the first color space is comprised of subtractive primary colors.

20. The method for calculating toner usage of claim 12 wherein the second color
15 space is comprised of subtractive, non-primary colors.

21. The method for calculating toner usage of claim 12 wherein the second color space is comprised of subtractive primary colors.

20 22. The method for calculating toner usage of claim 12 wherein the second color space is black and white.

23. A computer-readable medium for calculating toner usage comprising:
means adapted for receiving compressed image data, which compressed image
25 data includes encoded data representative of an associated image mapped to a first color space;
and
means adapted for analyzing received compressed image data so as to generate a
representative pixel count of pixels associated with each color of the first color space.

24. The computer-readable medium for calculating toner usage of claim 23 further comprising translation means for translating the representative count of pixels associated with each color of the first color space into a representative pixel count of pixels associated a rendering of the associated image as mapped into a second color space.

5

25. The computer-readable medium for calculating toner usage of claim 24 wherein the second color space is associated with a selected output device.

26. The computer-readable medium for calculating toner usage of claim 24 further comprising aggregating means adapted for calculating an aggregate pixel count from a plurality of serial compressed image data inputs.

27. The computer-readable medium for calculating toner usage of claim 24 further comprising means adapted for outputting a toner usage signal representative of aggregate toner usage in accordance with the aggregate pixel count.

28. A computer-implemented method for calculating toner usage comprising the steps of:

receiving compressed image data, which compressed image data includes encoded data representative of an associated image mapped to a first color space; and analyzing received compressed image data so as to generate a representative pixel count of pixels associated with each color of the first color space.

29. The computer-implemented method for calculating toner usage of claim 28 further comprising the step of translating the representative pixel count of pixels associated with each color of the first color space into a representative pixel count of pixels associated a rendering of the associated image as mapped into a second color space.

30. The computer-implemented method for calculating toner usage of claim 29 wherein the second color space is associated with a selected output device.

31. The computer-implemented method for calculating toner usage of claim 30 further comprising the step of calculating an aggregate pixel count from a plurality of serial compressed image data inputs.

5 32. The computer-implemented method for calculating toner usage of claim 31 further comprising the step of outputting a toner usage signal representative of aggregate toner usage in accordance with the aggregate pixel count.